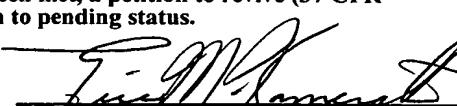


FORM PTO-1390 (Modified) (REV. 07-2004) U.S. PATENT AND TRADEMARK OFFICE; U.S. DEPARTMENT OF COMMERCE		ATTORNEY'S DOCKET NUMBER <b>14321.63</b>
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		U.S. APPLICATION NO. (If known, see 37 CFR 1.5) <b>10/516380</b>
INTERNATIONAL APPLICATION NO. <b>PCT/JP2004/000014</b>	INTERNATIONAL FILING DATE <b>06 January 2004</b>	PRIORITY DATE CLAIMED <b>06 January 2003</b>
TITLE OF INVENTION <b>P-TYPE NITRIDE SEMICONDUCTOR STRUCTURE AND BIPOLAR TRANSISTOR</b>		
APPLICANT(S) FOR DO/EO/US <b>Toshiki Makimoto, Kazuhide Kumakura, and Naoki Kobayashi</b>		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> <li><input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li><input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li><input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.</li> <li><input checked="" type="checkbox"/> The US has been elected (Article 31).</li> <li><input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c) (2))             <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li><input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).             <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li><input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input checked="" type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li><input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li><input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).</li> <li><input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).</li> <li><input type="checkbox"/> A copy of the International Preliminary Examination Report (PCT/IPEA/409).</li> <li><input checked="" type="checkbox"/> A copy of the International Search Report (PCT/ISA/210).</li> </ol>		
<p><b>Items 13 to 23 below concern document(s) or information included:</b></p> <ol style="list-style-type: none"> <li><input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li><input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li><input checked="" type="checkbox"/> A <b>FIRST</b> preliminary amendment.</li> <li><input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.</li> <li><input type="checkbox"/> A substitute specification.</li> <li><input checked="" type="checkbox"/> A power of attorney and/or change of address letter.</li> <li><input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.</li> <li><input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</li> <li><input type="checkbox"/> A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).</li> <li><input checked="" type="checkbox"/> Express Mail Label No. <u>EV 485 808 732 US</u></li> <li><input checked="" type="checkbox"/> Other items or information: <b>Return Receipt Postcard</b></li> </ol>		

U.S. APPLICATION NO (if known, see 37 CFR 1.5) <b>10/516380</b>	INTERNATIONAL APPLICATION NO. PCT/JP2004/000014	ATTORNEY'S DOCKET NUMBER 14321.63																								
24. The following fees are submitted: <b>BASIC NATIONAL FEE (37 CFR 1.492(a)(1)-(5)) :</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO ..... <b>\$1110.00</b></li> <li><input checked="" type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO ..... <b>\$950.00</b></li> <li><input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... <b>\$790.00</b></li> <li><input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) ..... <b>\$750.00</b></li> <li><input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) ..... <b>\$100.00</b></li> </ul>		<b>CALCULATIONS PTO USE ONLY</b>																								
Surcharge of <b>\$130.00</b> for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)). <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">CLAIMS</th> <th style="width: 25%;">NUMBER FILED</th> <th style="width: 25%;">NUMBER EXTRA</th> <th style="width: 25%;">RATE</th> </tr> </thead> <tbody> <tr> <td>Total claims</td> <td>38 - 20 =</td> <td>18</td> <td>x \$18.00</td> </tr> <tr> <td>Independent claims</td> <td>3 - 3 =</td> <td>0</td> <td>x \$88.00</td> </tr> <tr> <td colspan="2">Multiple Dependent Claims (check if applicable).</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: right;"><b>\$0.00</b></td> </tr> <tr> <td colspan="2" style="text-align: right;"><b>TOTAL OF ABOVE CALCULATIONS</b></td> <td>=</td> <td style="text-align: right;"><b>\$1,274.00</b></td> </tr> </tbody> </table>		CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	Total claims	38 - 20 =	18	x \$18.00	Independent claims	3 - 3 =	0	x \$88.00	Multiple Dependent Claims (check if applicable).		<input type="checkbox"/>	<b>\$0.00</b>	<b>TOTAL OF ABOVE CALCULATIONS</b>		=	<b>\$1,274.00</b>	<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2. <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 75%;">SUBTOTAL</th> <th style="width: 25%;">=</th> </tr> </thead> <tbody> <tr> <td style="text-align: right;"><b>\$1,274.00</b></td> <td></td> </tr> </tbody> </table>	SUBTOTAL	=	<b>\$1,274.00</b>	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE																							
Total claims	38 - 20 =	18	x \$18.00																							
Independent claims	3 - 3 =	0	x \$88.00																							
Multiple Dependent Claims (check if applicable).		<input type="checkbox"/>	<b>\$0.00</b>																							
<b>TOTAL OF ABOVE CALCULATIONS</b>		=	<b>\$1,274.00</b>																							
SUBTOTAL	=																									
<b>\$1,274.00</b>																										
Processing fee of <b>\$130.00</b> for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)). <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 75%;">TOTAL NATIONAL FEE</th> <th style="width: 25%;">=</th> </tr> </thead> <tbody> <tr> <td style="text-align: right;"><b>\$1,274.00</b></td> <td></td> </tr> </tbody> </table>		TOTAL NATIONAL FEE	=	<b>\$1,274.00</b>		<input type="checkbox"/> Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable). <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 75%;">TOTAL FEES ENCLOSED</th> <th style="width: 25%;">=</th> </tr> </thead> <tbody> <tr> <td style="text-align: right;"><b>\$1,314.00</b></td> <td></td> </tr> </tbody> </table>	TOTAL FEES ENCLOSED	=	<b>\$1,314.00</b>																	
TOTAL NATIONAL FEE	=																									
<b>\$1,274.00</b>																										
TOTAL FEES ENCLOSED	=																									
<b>\$1,314.00</b>																										
		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Amount to be: refunded</th> <th style="width: 50%;">\$</th> </tr> </thead> <tbody> <tr> <td></td> <td style="text-align: center;">\$</td> </tr> <tr> <th style="text-align: left;">charged</th> <th style="text-align: center;">\$</th> </tr> </tbody> </table>	Amount to be: refunded	\$		\$	charged	\$																		
Amount to be: refunded	\$																									
	\$																									
charged	\$																									
a. <input type="checkbox"/> A check in the amount of _____ to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of _____ to cover the above fees. c. <input checked="" type="checkbox"/> The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>23-3178</u> d. <input checked="" type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.																										
<b>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.</b>																										
SEND ALL CORRESPONDENCE TO: <b>ERIC M. KAMERATH</b> Registration No. 46,081 Customer No. 022913																										
 SIGNATURE																										
<b>ERIC M. KAMERATH</b> NAME <b>46,081</b> REGISTRATION NUMBER <b>November 30, 2004</b> DATE																										

10/516380

DT15 & PCT/PTO 30 NOV 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re International Application of

Toshiki MAKIMOTO, Kazuhide KUMAKURA, and  
Naoki KOBAYASHI

International Application No.: PCT/JP2004/000014

International filing date: January 6, 2004

For: P-TYPE NITRIDE SEMICONDUCTOR STRUCTURE AND  
BIPOLEAR TRANSISTOR

VERIFICATION OF TRANSLATION

Honorable Commissioner of Patent and Trademark  
Washington, D.C. 20231

Sir:

Nobuyuki KATO residing at c/o TANI & ABE, No. 6-20, Akasaka  
2-chome, Minato-ku, Tokyo 107-0052, Japan, declares:

(1) that he knows well both the Japanese and English  
languages;

(2) that he translated the claims of the  
above-identified International Application from Japanese to  
English;

(3) that the attached English translation is a true  
and correct translation of the claims, specification and  
drawings of the above-identified International Application  
to the best of his knowledge and belief; and

(4) that all statements made of his own knowledge  
are true and that all statements made on information and belief  
are believed to be true, and further that these statements  
are made with the knowledge that willful false statements and  
the like are punishable by fine or imprisonment, or both, under  
18 USC 1001, and that such false statements may jeopardize  
the validity of the application or any patent issuing thereon.

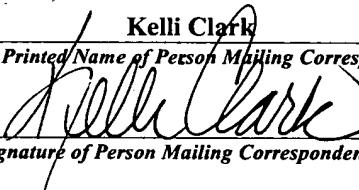
October 4, 2004

Date

Nobuyuki KATO

10/516380

DT15 Rec'd PCT/PTO 30 NOV 2004

<b>CERTIFICATE OF MAILING "EXPRESS MAIL" (37 CFR 1.10)</b>			Docket No. 14321.63	
Applicant(s): Toshiki Makimoto, et al.				
Application No. Unassigned	Filing Date 11/30/2004	Examiner Unassigned	Customer No. 022913	Group Art Unit Unassigned
Invention: P-TYPE NITRIDE SEMICONDUCTOR STRUCTURE AND BIPOLAR TRANSISTOR				
<p>I hereby certify that the following correspondence:</p> <p><b>Transmittal Letter under 35 USC § 371 (2 pgs, in duplicate); Copy of International Application No. PCT/JP2004/000014; Copy of International Search Report; Preliminary Amendment (11 pgs); Combined Declaration and Power of Attorney (5 pgs); PTO-1595 Recordation Cover Sheet and Assignment (4 pgs); PTO-2038 Credit Card Payment Form in the amount of \$990.00; postcard; and Certificate of Express Mailing Label No. EV 485 808 732 US</b></p> <p><i>(Identify type of correspondence)</i></p> <p>is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on</p>				
<u>November 30, 2004</u> <i>(Date)</i>				
<u>Kelli Clark</u> <small>(Typed or Printed Name of Person Mailing Correspondence)</small>				
 <small>(Signature of Person Mailing Correspondence)</small>				
<u>EV 485 808 732 US</u> <small>("Express Mail" Mailing Label Number)</small>				
<p><b>Note: Each paper must have its own certificate of mailing.</b></p>				